

Workplace Safety

Understanding Which Electrical Measurement Tools to Use is Critical to Safety

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Prevent electrical incidents by making sure your electrical test equipment holds the correct CAT Rating for each job you do, even if it means switching tools throughout the day.

Measurement Category & Examples

CAT 0

- Protected electronic equipment
- Any high-voltage, low-energy source such as a copy machine
- Test equipment not marked with a measurement category

CAT II

- Appliance, portable tools, PCs, TVs and other household and similar loads
- Outlet and long branch circuits
- Outlets at more than 10 meters (30 feet) from CAT III source
- Outlets more than 20 meters (60 feet) from CAT IV source

CAT III

- MC Panels
- Equipment in fixed installations, such as switchgear and polyphase motors
- Bus and feeder in industrial plants
- Feeders and short branch circuits, distribution panel devices
- Lighting systems in larger buildings
- Heavy appliance outlets with short connections to service entrance

CAT IV

- Refers to the "origin of installation", i.e., where low-voltage connection is made to utility power
- Electricity meters, primary overcurrent protection equipment
- Outside and service entrance, service drop from pole to building, run between meter and panel
- Overhead line to detached building, underground line to well pump



Please visit MSCDirect.com to view the the full line of Fluke electrical testing equipment.

